

86 inch LG NanoCell AI NANO80 4K Smart TV 2025

86NANO80ASA

Key Features

- LG NanoCell technology for vivid colour and sharp 4K picture.
- Immerse yourself in a quality picture with the alpha 7 AI Processor 4K Gen 8.
- webOS smart features, including AI Search, AI Picture Wizard, Google Cast & Apple AirPlay 2.^



 Ask LG anything

Best NanoCell TV for me



All Spec

PICTURE (DISPLAY)

Display Type
4K UHD

Display Resolution
4K Ultra HD (3,840 x 2,160)

Backlight Type
Direct

Refresh Rate
60Hz Native

Wide Colour Gamut
Nano Colour

PICTURE (PROCESSING)

Picture Processor
α7 AI Processor 4K Gen8

AI Upscaling
4K Super Upscaling

Dynamic Tone Mapping
Yes

AI Brightness Control
Yes

HDR (High Dynamic Range)
HDR10 / HLG

FILMMAKER MODE™
Yes

Picture Mode
10 modes

Auto Calibration
Yes

GAMING

HGIG Mode

Yes

ALLM (Auto Low Latency Mode)

Yes

Game Optimiser

Yes (Game Dashboard)

VRR (Variable Refresh Rate)

Yes (Up to 60Hz)

ACCESSIBILITY

High Contrast

Yes

Grey Scale

Yes

Invert Colours

Yes

DIMENSIONS AND WEIGHTS

TV Dimensions without Stand (WxHxD, mm)

1927 x 1104 x 59.9

TV Dimensions with Stand (WxHxD, mm)

1927 x 1167 x 362

Packaging Dimensions (WxHxD, mm)

2115 x 1215 x 228

TV Stand (WxD, mm)

1532 x 362

TV Weight without Stand (kg)

45.2

TV Weight with Stand (kg)

45.9

Packaging Weight (kg)

58.4

VESA Mounting (WxH, mm)

600 x 400

BAR CODE

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8806096318782

AUDIO

AI Sound

α7 AI Sound Pro (Virtual 9.1.2 Up-mix)

Clear Voice Pro

Yes (Auto Volume Leveling)

LG Sound Sync

Yes

Sound Mode Share

Yes

Simultaneous Audio Output

Yes

Bluetooth Surround Ready

Yes (2 Way Playback)

Audio Output

20W

AI Acoustic Tuning

Yes

Audio Codec

Speaker Direction

Down Firing

AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, apt-X (Refer to manual)

Speaker System
2.0 Channel

WOW Orchestra
Yes

CONNECTIVITY

HDMI Audio Return Channel
eARC (HDMI 2)

Bluetooth Support
Yes (v 5.1)

Ethernet Input
1ea

Simplink (HDMI CEC)
Yes

SPDIF (Optical Digital Audio Out)
1ea

HDMI Input
3ea (supports eARC, ALLM)

RF Input (Antenna/Cable)
1ea

USB Input
2ea (v 2.0)

Wi-Fi
Yes (Wi-Fi 5)

SMART TV

Operating System (OS)
webOS 25

USB Camera Compatible
Yes

Full Web Browser
Yes

Intelligent Voice Recognition
Yes

LG Channels
Yes

Magic Remote Control
Built-In

Smartphone Remote App
Yes (LG ThinQ)

Works with Apple Home
Yes

Home Hub
Yes

AI Chatbot
Yes

Voice ID
Yes

Google Home / Hub
Yes

Google Cast
Yes

Works with Apple Airplay
Yes

POWER

Power Supply (Voltage, Hz)
AC 100~240V 50-60Hz

Standby Power Consumption
Under 0.5W

REGULATORY

Energy Star Rating
5.0

Warranty Period
1 Year Parts & Labor

ACCESSORIES INCLUDED

Remote
Magic Remote MR25

Power Cable
Yes (Attached)

BROADCASTING

Analog TV Reception
Yes

Digital TV Reception
DVB-T2/T (Terrestrial), DVB-C (Cable)

CYBER SECURITY

Security Update

This product will receive security updates until 31 December 2029. For details on how to report security issues, visit <https://lgsecurity.lge.com>.

COMPLIANCE INFORMATION



[Australia Cyber Security SoC\(86NANO80ASA\)](#)



MORE COMPLIANCE INFORMATION >

- The safety information for accessories is included with the safety information for the product and is not provided separately.